

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) Method for producing light-guiding LED bodies from a material which is flowable before finally being solidified, in two casting and/or injection molding steps, comprising:

providing the electronic components including at least one light-emitting chip having at least two electrical terminals connected to the chip,

[[first]] coating said electrical components by ~~easting or a first~~ injection molding step, and thereafter again coating at least a part of said electrical components by ~~easting or a second~~ injection molding step in a final LED mold wherein

said first ~~easting and/or~~ injection molding step provides an intermediate stage LED [[by]] having a cone shaped surface and one or more lateral surfaces, said intermediate LED providing a first flowable material placed in a blank mold in which the electronic components have been inserted at least in part into the mold, and

said intermediate stage LED is arranged in the final LED mold with a rear of the intermediate stage on the mold bottom ~~or in the vicinity of the mold bottom~~, and an annular channel is formed between an inner side wall region of the final LED mold and ~~an outer wall~~ the one or more lateral surfaces of the intermediate stage LED, and in said second ~~easting and/or~~ injection molding step, the first or a second flowable material is

introduced through said annular channel, wherein said cone shape causes the second flowable material to flow into said final LED mold tangentially with respect to said intermediate LED.

2. (Previously Presented) Method from claim 1, wherein the first or the second flowable material is introduced into the final LED mold through the cross-section of the annular channel on the mold-bottom side.

3. (Previously Presented) Method from claim 1, wherein the second flowable material corresponds to the first.

4. (Previously Presented) Method from claim 1, wherein the side wall region adjoining the mold bottom of the final LED mold and laterally delimiting the annular channel is cylindrical in design, at least in the region of the annular channel.

5. (Previously Presented) Method from claim 1, wherein a center line of the blank mold is identical to the center line of the final LED mold.

6. (New) The method of claim 1 wherein said one or more lateral surfaces of said intermediate stage LED is tapered and prevents unwanted erosion of said intermediate stage LED during said second injection molding step.

7. (New) The method of claim 1 wherein a homogenous plastic body is formed after said second injection molding step, wherein said homogenous plastic LED body exhibits no refraction of light in the region of a former parting line between said intermediate stage LED and said final LED.

8. (New) The method of claim 1 wherein said first injection molding step and said injection molding step are injection molding step are injection-compression molding steps yielding a final LED having high trueness of shape and precision of contour.